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ART UNIT	PAPER NUMBER
2308	7

DATE MAILED: 08/04/94

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined

☒ Responsive to communication filed on 5/4/94 ☒ This action is made final.

A shortened statutory period for response to this action is set to expire Three month(s), Zero days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- ☒ Notice of References Cited by Examiner, PTO-892.
- ☐ Notice re Patent Drawing, PTO-948.
- ☐ Notice of Art Cited by Applicant, PTO-1449.
- ☐ Notice of Informal Patent Application, Form PTO-152.
- ☐ Information on How to Effect Drawing Changes, PTO-1474.
- ☐

Part II SUMMARY OF ACTION

1. ☒ Claims 1-23 are pending in the application.

Of the above, claims \_\_\_\_\_ are withdrawn from consideration.

2. ☐ Claims \_\_\_\_\_ have been cancelled.

3. ☐ Claims \_\_\_\_\_ are allowed.

4. ☒ Claims 1-23 are rejected.

5. ☐ Claims \_\_\_\_\_ are objected to.

6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

7. ☒ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.

8. ☐ Formal drawings are required in response to this Office action.

9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable. ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).

10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).

11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation).

12. ☐ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_

13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14. ☐ Other

EXAMINER'S ACTION

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1. The drawings are objected to because the labels in figures 1, 2a-2d and 3 are not clear, delete "Figure 1" and insert -- Fig. 1 -- and figures 2a-2d and 3-7, "Fig" should be "Fig.". Correction is required.

2. Claims 1-23 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As per claim 1, line 6, there is no antecedent basis for "the voltage supplied to the rest of said system". Line 6, the phrase "the voltage supplied" is vague because the voltage is not supplied in the past. Line 6, the phrase "the rest of the system" has no antecedent basis and is general and not defined.

As per claim 1, lines 14 and 15 and claim 23, lines 16 and 17, the phrase "exchange memory information with said memory integrated circuit" is vague since the memory information are in the memory integrated circuit as shown above.

As per claim 14, lines 2 and 3, the phrase "a pulse width modulator circuit responsive to said logic control means" fails to recite the relation between the pulse width modulator circuit and the logic control means.

As per claim 16, lines 3 and 4, the phrase "generating a variable voltage in response to said filtered pulse width

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modulated signal" fails to recite the relation between the generated variable voltage and the filtered pulse width modulated signal.

Claim 21 is vague since the first, second and third operations are not specified.

As per claim 22, lines 4 and 5, there is no antecedent basis for "voltage requirements".

As per claim 23, line 3, "providing" should read "supplying" because supplying is the actual function being performed.

Line 6, after "memory" insert -- integrated --.

Line 8, "provided" should read "supplied".

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 21 and 22 are rejected under 35 U.S.C. § 102(b) as being anticipated by Smith et al, U.S. Pat. No. 5167024.

As best as the examiner can determine due to the indefinite nature of claims 21 and 22, the claimed invention is taught by Smith's reference.

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4. Claims 1-20 and 23 would be allowable if rewritten to overcome the rejection under 35 U.S.C. § 112.

5. Applicant's arguments with respect to claims 1-23 have been considered but are deemed to be moot in view of the new grounds of rejection.

6. Applicant's amendment necessitated the new grounds of rejection. Accordingly, THIS ACTION IS MADE FINAL. See M.P.E.P. § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Davis whose telephone number is (703) 305-9640.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9605.

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ALLEN R. MACDONALD  
SUPERVISORY PATENT EXAMINER  
ART UNIT 2308

G. Davis

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August 3, 1994